

ABSTRACT

The invention relates to an apparatus for measuring and/or monitoring the flow of a medium (11) to be measured, which is flowing through a measuring tube (2) in the direction of the longitudinal axis (10) of the measuring tube (2). The apparatus includes: A magnet arrangement (12) which produces a magnetic field passing through the measuring tube (2) and running essentially transversely to the longitudinal axis (10) of the measuring tube (2); two measuring electrodes (3, 4) which are galvanically or capacitively coupled with the medium (11) to be measured and which are arranged in such a manner that a measurement voltage is induced in them, evoked by the medium (11) to be measured; an evaluation control unit (7), which, on the basis of the measurement voltage induced in the measurement electrodes (3, 4), provides information concerning the volume flow of the medium (11) to be measured in the measuring tube (2); wherein connecting lines (5, 6), or signal lines (15, 16), as the case may be, are provided, by way of which the measurement signals are led between the measurement electrodes (3, 4) and the control/evaluation unit (7). In order to be able to arrange the signal lines (15, 16) in a space saving manner, the signal lines (15, 16) are arranged in an essentially planar structure.

(Fig. 3)